

OIKE

#2

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/941,314

DATE: 09/18/2001

TIME: 11:30:48

Input Set : A:\PTO_VSK.txt

Output Set: N:\CRF3\09182001\I941314.raw

3 <110> APPLICANT: ZymoGenetics, Inc.
 5 <120> TITLE OF INVENTION: Mammalian Cystatin-8 and Its Use to
 6 Inhibit Cancer Procoagulant Protein
 9 <130> FILE REFERENCE: 00-81PC
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/941,314
 C--> 11 <141> CURRENT FILING DATE: 2001-08-29
 11 <150> PRIOR APPLICATION NUMBER: 60/230,230
 12 <151> PRIOR FILING DATE: 2001-09-01
 14 <160> NUMBER OF SEQ ID NOS: 19
 16 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 574
 20 <212> TYPE: DNA
 21 <213> ORGANISM: Homo sapiens
 23 <220> FEATURE:
 24 <221> NAME/KEY: CDS
 25 <222> LOCATION: (53)...(466)
 27 <400> SEQUENCE: 1
 28 gccagaatt cggcacgagg cactcttctt gttcctctgc agctgaaggc tg atg gct 58
 29 Met Ala
 30 1
 32 gag ccc tgg cag gcc cta cag ctc ctg ttg gcc att cta ttg act ctg 106
 33 Glu Pro Trp Gln Ala Leu Gln Leu Leu Ala Ile Leu Leu Thr Leu
 34 5 10 15
 36 atg gcc ctc ccc tac caa gca agg aag aaa acc ttt cta agc gtc cat 154
 37 Met Ala Leu Pro Tyr Gln Ala Arg Lys Lys Thr Phe Leu Ser Val His
 38 20 25 30
 40 gaa gtg atg gca gta gaa aac tat gcg aag gac agc ttg cag tgg atc 202
 41 Glu Val Met Ala Val Glu Asn Tyr Ala Lys Asp Ser Leu Gln Trp Ile
 42 35 40 45 50
 44 acc gac cag tat aac aag gaa agt gat gac aag tac cac ttc agg atc 250
 45 Thr Asp Gln Tyr Asn Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile
 46 55 60 65
 48 ttc cga gtc ctt aaa gtc cag agg cag gtc act gac cac ctg gag tat 298
 49 Phe Arg Val Leu Lys Val Gln Arg Gln Val Thr Asp His Leu Glu Tyr
 50 70 75 80
 52 cac ctg aat gtg gaa atg cag tgg acc acc tgc caa aag cca gag acc 346
 53 His Leu Asn Val Glu Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr
 54 85 90 95
 56 acg aac tgt gtc ccc cag gaa agg gag ctt cac aag caa gtc aac tgc 394
 57 Thr Asn Cys Val Pro Gln Glu Arg Glu Leu His Lys Gln Val Asn Cys
 58 100 105 110
 60 ttc ttc tca gtg ttt gct gta ccc tgg ttt gaa cag tac aaa att ttg 442
 61 Phe Phe Ser Val Phe Ala Val Pro Trp Phe Glu Gln Tyr Lys Ile Leu
 62 115 120 125 130
 64 aac aaa agc tgc agc agt gac tag gtgtcctgga ggggtacaact gcggccactg 496
 65 Asn Lys Ser Cys Ser Ser Asp *

ENTERED

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66                               135
68 catgtgagag aatcctgcaa tgggcaataa tccttaatat aggcaataaa tgtttgtcaa      556
69 catattctct taaaaaaaaa                                         574
71 <210> SEQ ID NO: 2
72 <211> LENGTH: 137
73 <212> TYPE: PRT
74 <213> ORGANISM: Homo sapiens
76 <400> SEQUENCE: 2
77 Met Ala Glu Pro Trp Gln Ala Leu Gln Leu Leu Ala Ile Leu Leu
78 1                               5                               10                               15
79 Thr Leu Met Ala Leu Pro Tyr Gln Ala Arg Lys Lys Thr Phe Leu Ser
80                               20                               25                               30
81 Val His Glu Val Met Ala Val Glu Asn Tyr Ala Lys Asp Ser Leu Gln
82                               35                               40                               45
83 Trp Ile Thr Asp Gln Tyr Asn Lys Glu Ser Asp Asp Lys Tyr His Phe
84                               50                               55                               60
85 Arg Ile Phe Arg Val Leu Lys Val Gln Arg Gln Val Thr Asp His Leu
86 65                               70                               75                               80
87 Glu Tyr His Leu Asn Val Glu Met Gln Trp Thr Thr Cys Gln Lys Pro
88                               85                               90                               95
89 Glu Thr Thr Asn Cys Val Pro Gln Glu Arg Glu Leu His Lys Gln Val
90                               100                              105                              110
91 Asn Cys Phe Phe Ser Val Phe Ala Val Pro Trp Phe Glu Gln Tyr Lys
92                               115                              120                              125
93 Ile Leu Asn Lys Ser Cys Ser Ser Asp
94                               130                              135
97 <210> SEQ ID NO: 3
98 <211> LENGTH: 115
99 <212> TYPE: PRT
100 <213> ORGANISM: Homo sapiens
102 <400> SEQUENCE: 3
103 Tyr Gln Ala Arg Lys Lys Thr Phe Leu Ser Val His Glu Val Met Ala
104 1                               5                               10                               15
105 Val Glu Asn Tyr Ala Lys Asp Ser Leu Gln Trp Ile Thr Asp Gln Tyr
106                               20                               25                               30
107 Asn Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile Phe Arg Val Leu
108                               35                               40                               45
109 Lys Val Gln Arg Gln Val Thr Asp His Leu Glu Tyr His Leu Asn Val
110                               50                               55                               60
111 Glu Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn Cys Val
112 65                               70                               75                               80
113 Pro Gln Glu Arg Glu Leu His Lys Gln Val Asn Cys Phe Phe Ser Val
114                               85                               90                               95
115 Phe Ala Val Pro Trp Phe Glu Gln Tyr Lys Ile Leu Asn Lys Ser Cys
116                               100                              105                              110
117 Ser Ser Asp
118                               115
121 <210> SEQ ID NO: 4
122 <211> LENGTH: 117

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123 <212> TYPE: PRT
124 <213> ORGANISM: Homo sapiens
126 <400> SEQUENCE: 4
127 Leu Pro Tyr Gln Ala Arg Lys Lys Thr Phe Leu Ser Val His Glu Val
128 1 5 10 15
129 Met Ala Val Glu Asn Tyr Ala Lys Asp Ser Leu Gln Trp Ile Thr Asp
130 20 25 30
131 Gln Tyr Asn Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile Phe Arg
132 35 40 45
133 Val Leu Lys Val Gln Arg Gln Val Thr Asp His Leu Glu Tyr His Leu
134 50 55 60
135 Asn Val Glu Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn
136 65 70 75 80
137 Cys Val Pro Gln Glu Arg Glu Leu His Lys Gln Val Asn Cys Phe Phe
138 85 90 95
139 Ser Val Phe Ala Val Pro Trp Phe Glu Gln Tyr Lys Ile Leu Asn Lys
140 100 105 110
141 Ser Cys Ser Ser Asp
142 115
145 <210> SEQ ID NO: 5
146 <211> LENGTH: 22
147 <212> TYPE: PRT
148 <213> ORGANISM: Homo sapiens
150 <400> SEQUENCE: 5
151 Gln Ala Arg Lys Lys Thr Phe Leu Ser Val His Glu Val Met Ala Val
152 1 5 10 15
153 Glu Asn Tyr Ala Lys Asp
154 20
157 <210> SEQ ID NO: 6
158 <211> LENGTH: 36
159 <212> TYPE: PRT
160 <213> ORGANISM: Homo sapiens
162 <400> SEQUENCE: 6
163 Arg Lys Lys Thr Phe Leu Ser Val His Glu Val Met Ala Val Glu Asn
164 1 5 10 15
165 Tyr Ala Lys Asp Ser Leu Gln Trp Ile Thr Asp Gln Tyr Asn Lys Glu
166 20 25 30
167 Ser Asp Asp Lys
168 35
171 <210> SEQ ID NO: 7
172 <211> LENGTH: 18
173 <212> TYPE: PRT
174 <213> ORGANISM: Homo sapiens
176 <400> SEQUENCE: 7
177 Lys Asp Ser Leu Gln Trp Ile Thr Asp Gln Tyr Asn Lys Glu Ser Asp
178 1 5 10 15
179 Asp Lys
183 <210> SEQ ID NO: 8
184 <211> LENGTH: 35

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185 <212> TYPE: PRT
186 <213> ORGANISM: Homo sapiens
188 <400> SEQUENCE: 8
189 Lys Asp Ser Leu Gln Trp Ile Thr Asp Gln Tyr Asn Lys Glu Ser Asp
190 1 5 10 15
191 Asp Lys Tyr His Phe Arg Ile Phe Arg Val Leu Lys Val Gln Arg Gln
192 20 25 30
193 Val Thr Asp
194 35
197 <210> SEQ ID NO: 9
198 <211> LENGTH: 27
199 <212> TYPE: PRT
200 <213> ORGANISM: Homo sapiens
202 <400> SEQUENCE: 9
203 Asp Gln Tyr Asn Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile Phe
204 1 5 10 15
205 Arg Val Leu Lys Val Gln Arg Gln Val Thr Asp
206 20 25
209 <210> SEQ ID NO: 10
210 <211> LENGTH: 46
211 <212> TYPE: PRT
212 <213> ORGANISM: Homo sapiens
214 <400> SEQUENCE: 10
215 Asn Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile Phe Arg Val Leu
216 1 5 10 15
217 Lys Val Gln Arg Gln Val Thr Asp His Leu Glu Tyr His Leu Asn Val
218 20 25 30
219 Glu Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn
220 35 40 45
223 <210> SEQ ID NO: 11
224 <211> LENGTH: 24
225 <212> TYPE: PRT
226 <213> ORGANISM: Homo sapiens
228 <400> SEQUENCE: 11
229 Arg Gln Val Thr Asp His Leu Glu Tyr His Leu Asn Val Glu Met Gln
230 1 5 10 15
231 Trp Thr Thr Cys Gln Lys Pro Glu
232 20
235 <210> SEQ ID NO: 12
236 <211> LENGTH: 33
237 <212> TYPE: PRT
238 <213> ORGANISM: Homo sapiens
240 <400> SEQUENCE: 12
241 Gln Val Thr Asp His Leu Glu Tyr His Leu Asn Val Glu Met Gln Trp
242 1 5 10 15
243 Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn Cys Val Pro Gln Glu Arg
244 20 25 30
245 Glu
249 <210> SEQ ID NO: 13

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250 <211> LENGTH: 49
251 <212> TYPE: PRT
252 <213> ORGANISM: Homo sapiens
254 <400> SEQUENCE: 13
255 Asp Gln Tyr Asn Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile Phe
256 1 5 10 15
257 Arg Val Leu Lys Val Gln Arg Gln Val Thr Asp His Leu Glu Tyr His
258 20 25 30
259 Leu Asn Val Glu Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr
260 35 40 45
261 Asn
265 <210> SEQ ID NO: 14
266 <211> LENGTH: 52
267 <212> TYPE: PRT
268 <213> ORGANISM: Homo sapiens
270 <400> SEQUENCE: 14
271 Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile Phe Arg Val Leu Lys
272 1 5 10 15
273 Val Gln Arg Gln Val Thr Asp His Leu Glu Tyr His Leu Asn Val Glu
274 20 25 30
275 Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn Cys Val Pro
276 35 40 45
277 Gln Glu Arg Glu
278 50
281 <210> SEQ ID NO: 15
282 <211> LENGTH: 80
283 <212> TYPE: PRT
284 <213> ORGANISM: Homo sapiens
286 <400> SEQUENCE: 15
287 Gln Tyr Asn Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile Phe Arg
288 1 5 10 15
289 Val Leu Lys Val Gln Arg Gln Val Thr Asp His Leu Glu Tyr His Leu
290 20 25 30
291 Asn Val Glu Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn
292 35 40 45
293 Cys Val Pro Gln Glu Arg Glu Leu His Lys Gln Val Asn Cys Phe Phe
294 50 55 60
295 Ser Val Phe Ala Val Pro Trp Phe Glu Gln Tyr Lys Ile Leu Asn Lys
296 65 70 75 80
299 <210> SEQ ID NO: 16
300 <211> LENGTH: 59
301 <212> TYPE: PRT
302 <213> ORGANISM: Homo sapiens
304 <400> SEQUENCE: 16
305 Arg Gln Val Thr Asp His Leu Glu Tyr His Leu Asn Val Glu Met Gln
306 1 5 10 15
307 Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn Cys Val Pro Gln Glu
308 20 25 30
309 Arg Glu Leu His Lys Gln Val Asn Cys Phe Phe Ser Val Phe Ala Val

```

VERIFICATION SUMMARY

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date